



Letter to the Editor

***Staphylococcus aureus* and cystic fibrosis**

Keywords: *Staphylococcus aureus*, Cystic fibrosis

I read with great interest the review entitled “*Staphylococcus aureus* and MRSA in cystic fibrosis” by Goss and Muhlebach [1]. They included important information regarding the current knowledge on the circulation of new methicillin-resistant *Staphylococcus aureus* (MRSA) clones, usually carrying SCCmec type IV, in cystic fibrosis patients throughout the world. I would like to take this opportunity to put it in parallel with recent data from Brazil.

In a study including 110 patients from our cystic fibrosis center in São Paulo, Brazil [2], we found 8 (7%) colonized by MRSA at least once during the three-year study period. Compared with the US and other countries with a high prevalence of community-associated MRSA, it could be considered a low rate. Four of these carried SCCmec type III and four carried SCCmec type IV. The isolates with SCCmec type IV were resistant only to penicillin, oxacillin and erythromycin, and susceptible to clindamycin (D-test was negative in all isolates), trimetoprim-sulfa, chloramphenicol, tetracycline, ciprofloxacin and gentamycin. Isolates carrying SCCmec type III were multiresistant. Although only a limited number of isolates were studied, it is also interesting to notice that none were positive by PCR for *lukF-PV* and *lukS-PV*, the Panton–Valentine leukocidin codifying genes.

References

- [1] Goss CH, Muhlebach MS. Review: *Staphylococcus aureus* and MRSA in cystic fibrosis. J Cyst Fibros Jun 28 2011 [Epub ahead of print].
- [2] Mimica MJ, Berezin EN, Damaceno N, Carvalho RB. SCCmec type IV, PVL-negative, methicillin-resistant *Staphylococcus aureus* in cystic fibrosis patients from Brazil. Curr Microbiol Feb 2011;62(2):388–90.

Marcelo J. Mimica

Department of Pediatrics (Division of Infectious Diseases),

Department of Pathology (Division of Microbiology),

Santa Casa School of Medicine, São Paulo, Brazil

Tel.: +55 11 6393 8496.

E-mail address: mjmimica@hotmail.com.

12 July 2011